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**GLOBAL POSITIONING SYSTEM DIRECTORATE
SYSTEMS ENGINEERING & INTEGRATION
INTERFACE SPECIFICATION
IS-GPS-705**

Navstar GPS Space Segment/User Segment L5 Interfaces



AUTHENTICATED BY:

A handwritten signature in black ink, appearing to read 'M. Dunn', is written over a horizontal line.

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17 APR 12

Date

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IS-GPS-705, Rev B Publication Error WAS/IS Matrix

Section	WAS	IS
3.3.1.3	The GPS III SV shall provide L5 signals with the following characteristic: the L5 off-axis relative power (referenced to peak transmitted power) shall not decrease by more than 2 dB from the Edge-of-Earth (EOE) to nadir, and no more than 18 dB from EOE to 26 degrees off nadir; the power drop off between EOE and ± 26 degrees shall be in a monotonically decreasing fashion.	The phase noise spectral density of the un-modulated carrier shall be such that a phase locked loop of 10 Hz one-sided noise bandwidth shall be able to track the carrier to an accuracy of 0.1 radians root mean square (RMS). See additional supporting material for phase noise characteristics in section 6.3.2.
6.4.1	See IS-GPS-200.	6.4.1 <u>Lower PRN Numbers Versus Upper PRN Numbers</u> . See IS-GPS-200.
6.4.2	For a given satellite, the same PRN number will be assigned to all operational signals (signals modulated by standard PRN code with data that indicates the signal health is OK).	6.4.2 <u>PRN Number Consistency</u> . For a given satellite, the same PRN number will be assigned to all operational signals (signals modulated by standard PRN code with data that indicates the signal health is OK).
6.4.3	See IS-GPS-200.	6.4.3 <u>PRNs 33 and 37</u> . See IS-GPS-200.
6.4.4	See IS-GPS-200.	6.4.4 <u>PRNs 33 and 63</u> . See IS-GPS-200.
10.1	Approval of this document, as well as approval of any subsequent changes to the document, can be contingent upon a "letter of exception." This appendix depicts such "letters of exception" when authorized by the GPS Directorate.	10.1 <u>Scope</u> . Approval of this document, as well as approval of any subsequent changes to the document, can be contingent upon a "letter of exception." This appendix depicts such "letters of exception" when authorized by the GPS Directorate.
10.2	The documents listed in Section 2.0 shall be applicable to this appendix.	10.2 <u>Applicable Documents</u> . The documents listed in Section 2.0 shall be applicable to this appendix.

Section	WAS	IS
10.3	Any letter of exception which is in force for the revision of the IS is depicted in Figure 10.3-1, 1-0.3-2, and 10.3-3.	10.3 <u>Letters of Exception</u> . Any letter of exception which is in force for the revision of the IS is depicted in Figure 10.3-1, 1-0.3-2, and 10.3-3.